



S100

GSM House Alarm System

[Http://www.GSMalarmsystem.com](http://www.GSMalarmsystem.com)

1. Brief introduction

The GSM Alarm System is a new security protection solution special for home, house and office and other applications. It based on Wireless GSM Communication network, integrated Lcd Menu display and Computer technology. When any sensor activated, it will Call & Send SMS to owner's telephone immediately.

The GSM Alarm System with user friendly design idea, all operations and settings are visual and intuitive!.

What you need is a SIMCard which supports Call ID function.

2. Features

2.1 The advantages of the GSM Alarm System

- 1) Two-way Voice communication or wiretap are available;
- 2) LCD displays the entire setup menu;
- 3) Armed, Partial Armed(At House or Stay), Disarmed, SOS are available;
- 4) Armed delay, alarm delay, siren work or not, more other functions are Programmable by user;
- 5) Watchdog, 24Hours Zone, SOS zone are available;
- 6) Using ICON to display armed, Partial Armed, Disarmed, Power status, Siren status and GSM Signal status.

- 7) Auto-detect and report, GSM Signal Jammer alarm, SMS Switch is available.
- 8) User friendly Icons for LED indicators, LCD and functional Buttons.

2.2 Functions & Features of the GSM Alarm System

- 1) GSM Frequency: Dual-Band(900/1800MHz), Quad-Band is optional(850/900/1800/1900Mhz) ;
- 2) Supports armed, Partial armed(At House or Stay) or disarmed, SOS by remote control or mainframe keyboard;
- 3) Supports armed, disarmed, inquiry mainframe status, switch on or off relay output by SMS Commands;
- 4) Automatically send SMS Alert and dial to the pre-set cell phone when any sensor had been triggered;
- 5) Equips with 16 Wireless Zones, zone attribute (Normal/At House or Stay mode) and Zone Name is editable;
- 6) 3 X 24-Hour zones for smoke and gas leakage sensor, 1XWatchdog zone for monitoring elder or child, 1XSOS zone for emergency help;
- 7) Supports 3 SMS Alert Numbers and 5 Calling alert numbers and 20 Alarm Records for owner review;
- 8) Supports Timer for automatically arm or disarm the system;
- 9) Supports armed delay to give enough time to you go out the home, the delay time is editable by user;
- 10) Equips with 1 Alarm-Link output relay, once the system triggered, the output will switch on for 4minutes;
- 11) Equips with 1 independent output relay, it can be switch on or off by SMS Commands. This is very useful for remote switch on light or off while you're in another city in the night;

- 12) The Keypad can use as a dialer, the functions like the Cell phone;
- 13) The external power failure & recovery alert function is optional ;
- 14) Supports wiretap through the internal microphone;
- 15) Supports internal Speaker to special user for two-way voice communication;
- 16) It is Compatible with PT2262/2264 and PT2242 wireless IC;
- 17) Standby internal rechargeable battery which can last 12 hours;
- 18) Based on the GSM communication network and Operation Menu Display technology, apply to wide range situations.

3. Standard Packing List

Control Unit X1
Wireless Magnetic Door Sensor X1
Wireless Remote Controls X 2
Wireless PIR Motion Sensor X1
Wired Mini Siren (110dB) X1
Regulated 12VDC Power Supply X1
User Manual X1
GSM Antenna X1

Optional Accessories: (Wireless Sensors only)

PIR Motion Sensor, Glass Break Sensor, Magnetic Window Sensor, Magnetic Steel Scrolling Door Sensor, Temperature Sensor, Photoelectric Beams, etc.

4. Physical Layout

4.1 Control Unit physical layout



Interface Description

PIN 1	Independent Output Relay, Can switch on or off by SMS Commands. (Rated Voltage: 3A/250VAC), this relay is very useful to switch on light when you can not come back in the evening. Then some hours you can switch off it.
PIN2	Link-Output Relay, when the system alarm will close 4minutes. (Rated Voltage: 3A/250VAC), this relay can connect to any other lights or CCTV system as a switch.
PIN3	DC Input 9~12V @ 1000mA, Inner is positive electrode, outer is negative electrode.
PIN4	Siren Socket, 12VDC Output, Inner is positive electrode, outer is negative electrode.
PIN5	GSM Antenna,Gain:2.0dB, (Gain: 2.5dB for 3m GSM ANT)

4.2 Working Principle Drawing

The unit works with wireless detectors only. It can switch on or off one appliance by SMS command. Please see below:

